Haier

HL15B/HL15E/HL19E/HL19W/HL22E

LCD TV

USER MANUAL

Please read this manual carefully before using this TV set and keep it for future reference.

WARNING AND CAUTION

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE.FOR ANY PROBLEM, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
THERE IS A LIGHTNING ARROW SYMBOL IN THE TRIANGLE: THIS SYMBOL INDICATES HIGH VOLTAGE IS PRESENT INSIDE. IT IS DANGEROUS TO MAKE ANY KIND OF CONTACT WITH ANY INSIDE PART OF THIS PRODUCT.
THERE IS AN EXCLAMATION MARK IN THE TRIANGLE: THIS SYMBOL ALERTS YOU THAT IMPORTANT LITERATURE CONCERNING OPERATION AND MAINTENANCE HAS BEEN INCLUDED WITH THIS PRODUCT.

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK AND FIRE, DO NOT PUT THE TV SET NEAR SOURCES OF HUMIDITY. DO NOT USE ANY ABRASIVE CLEANSERS WHICH MAY SCRATCH OR DAMAGE THE LCD SCREEN. AVOID CONTACT WITH OBJECTS THAT MAY SCRATCH THE LCD SCREEN.

NOTE: SERVICING THE UNIT YOURSELF IS UNAUTHORIZED AND COULD LEAD TO INJURY OR PRODUCT DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with a dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any hear sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purposes of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use the attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15）Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

SAVE THESE INSTRUCTIONS

Thank you for using our Haier product. This easy-to-use manual will guide you in getting the best use of your product. Remember to record the model and serial number. They are on label in back of the unit.

Model number

serial number

Date of purchase

Staple your receipt to your manual. **You will need it to obtain warranty service.**

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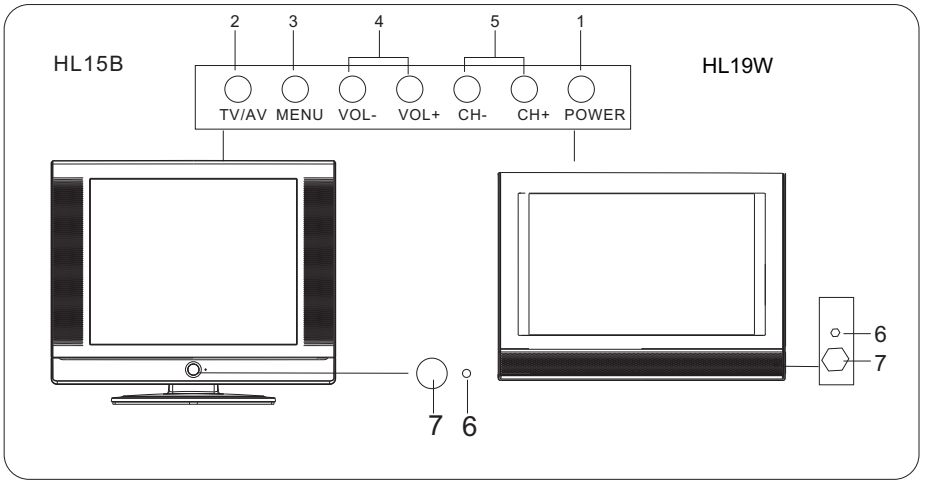
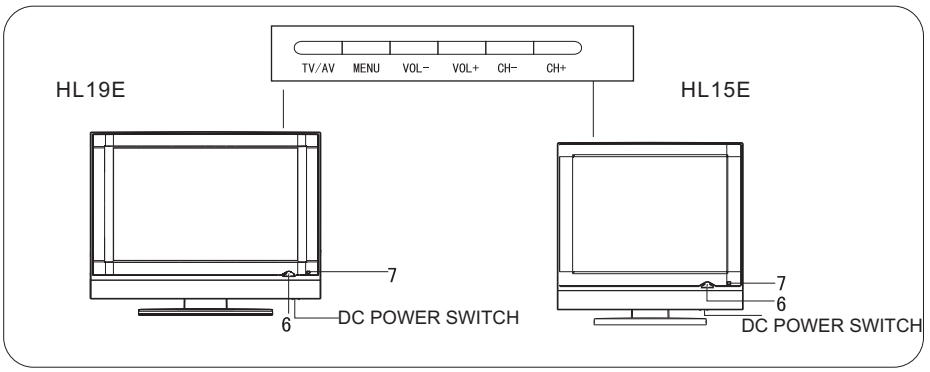
Safety Notice Items

Incorrect usage may cause fire or electric shock. To prevent this, please do as required when you are installing, using and cleaning this machine. To ensure your safety and extend the life-span of LCD-TV, please read the following items carefully before using:

Please read and understand all the instructions before operation;
Please keep this manual for later use;
Please comply strictly with the warning instructions on the machine and in this book;
Please comply with the instructions provided;
Please do not use additional devices that are not recommended by manufacturer:
Before operation, please make sure that the operating voltage of your unit is correct;
Do not place the unit on unstable, dusty and humid places;
Never put the unit in direct sunlight or near heat sources;
Allow enough space for proper ventilation;
Please keep water away from the LCD-TV . If water comes in contact with the LCD-TV, disconnect the power cord from the power source, then wipe the set with a dry soft cloth;
Do not remove the back cover. If service is needed, please contact an Authorized service technician.

Front Panel Controls



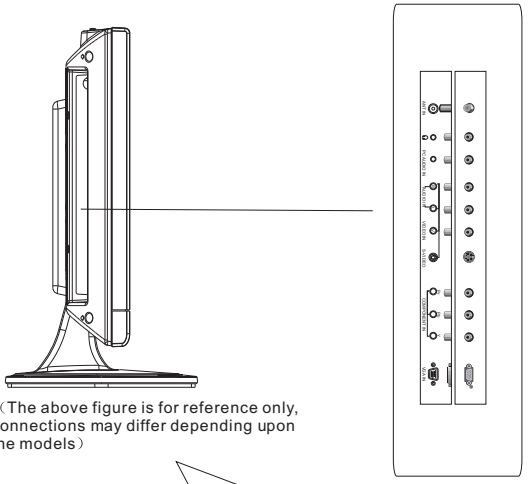


Control Panel Function

1. Power supply switch
2.TV/AV Selects the input signals: TV/AV/S-VIDEO/PC/COMPONENT
3. MENU Press to select the main menu
4. VOL- Volume down/ Left orientation to adjust the item in the OSD
   VOL+ Volume up / Right orientation to adjust the item in the OSD
   /Press to enter

5. CH- TV channel down / to select the item in the menu
   CH+ TV channel up / to select the item in the menu
6. Power indicator
7.Remote Sensor Receives the signals from the remote control

Connection Options



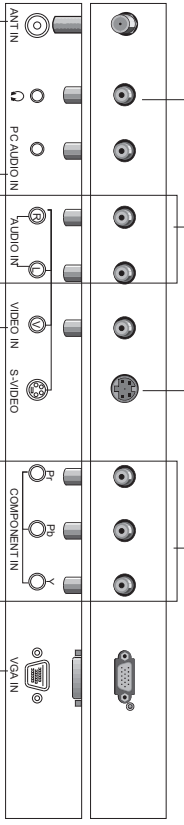
（The above figure is for reference only, connections may differ depending upon the models）

Antenna Input
Connect cable or antenna signals to the TV, either directly or through your cable box.

PC Audio Input
Connect the audio output from the pc to the PC audio input port

Video Input
Connect video output from an external device to this jack

VGA Input
Connect to the VGA 15PIN analog output connector of a PC graphics card to use set as a PC display



Earphone port

AV/S-VIDEO/ COMPONENT Audio Input
Connect audio output from an external device to these jacks

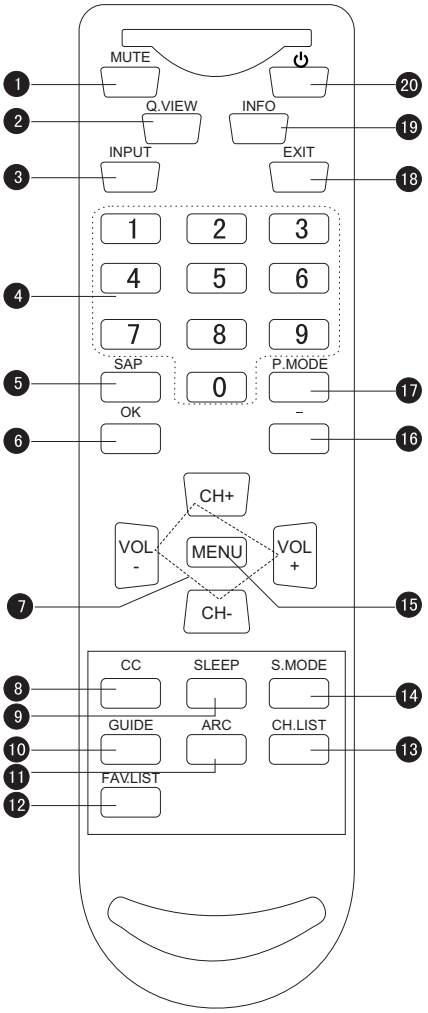
S-Video Input
Connect S-Video out from an S-Video device to the jacks.

Component Input
Connect a component video device to these jacks

Remote Control Key Functions

When using the remote control, aim it towards the remote sensor on the TV

Buttons on the remote control



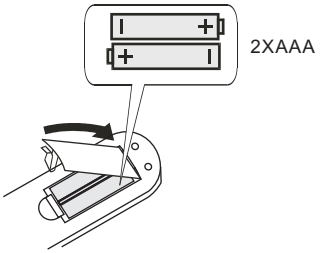
1. Mute
2. Return to Previous Channel in TV mode
3. Input selection
4. Program Number
5. Select MONO,STEREO, SAP in NTSC system
6. Confirm button
7. Volume/Channel Selection
8. CCD (closed caption) On / Off
9. TV Sleep button
10. Shows program schedule in DTV
11. Select the aspect ratio
12. Open the favorite channel list in DTV
13. Open the channel list in DTV
14. Adjust sound mode
15. MENU
16. Select additional channels
17. Adjust Picture Mode
18. Exit On Screen Display
19. Call Screen Infromation
20. Standby

Remote Control

Installing Batteries

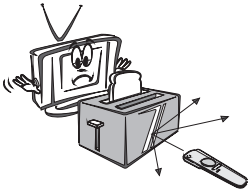
Remove the battery cover.

Insert two size AAA batteries matching the +/-polarities of the battery to the +/- marks inside the battery compartment.

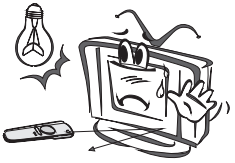


Precautions

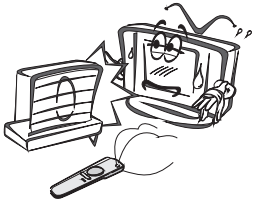
Make sure that there is no obstacle between the remote controller and television set.



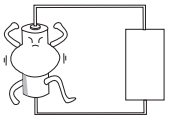
As strong light may interfere with the signals, change your position to operate the remote control if the television cannot be turned on or off as expected.



Keep the remote control away from heat sources or humid areas to ensure effective performance of the remote.



Make sure that two AAA 1.5V alkaline batteries are loaded. The batteries must be of the same type, must be inserted properly, and must not be rechargeable.



Connection Instructions

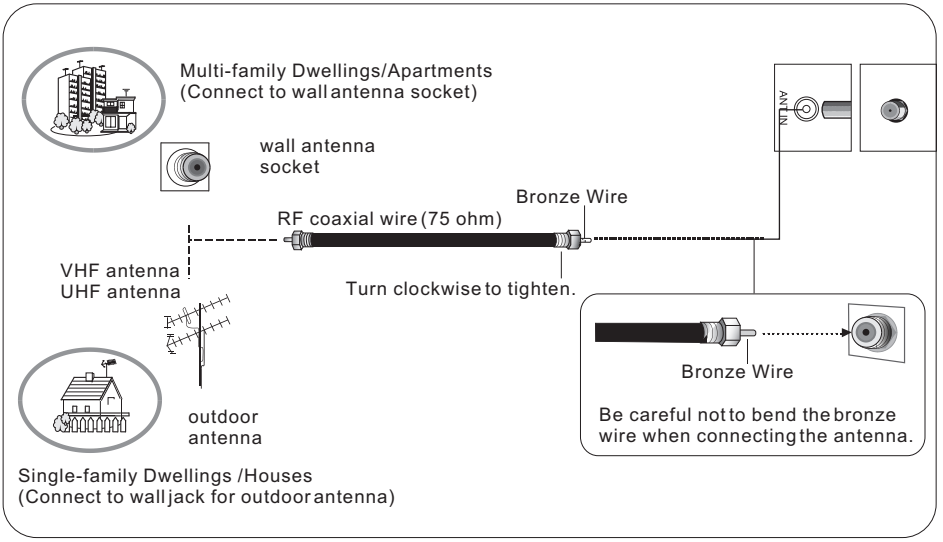
Grounding

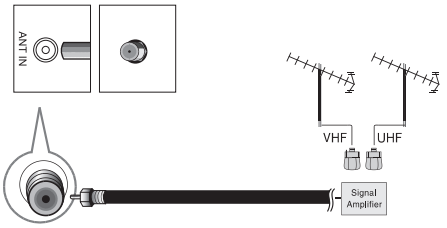
Ensure that you connect the grounding / earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightening rods, or gas pipes.

External Equipment Connections

Antenna Connection

- Antenna or Cable Service with a Cable Box Connections
- For optimum picture quality, adjust antenna direction if needed.





- To improve picture quality in a poor signal area, purchase and install a signal amplifier.
- If the antenna needs to be split for two Tvs, install a "2-Way Signal Splitter" in the connections.
- If the antenna is not installed properly, contact your dealer for assistance.

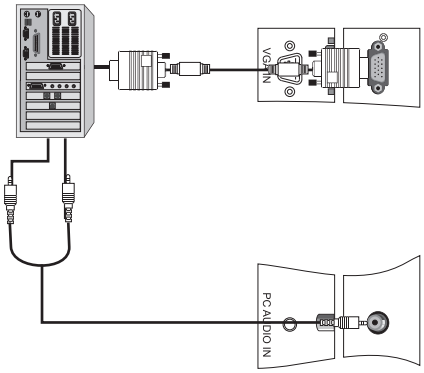
NOTE: Cables shown are not included with the TV

Connection Instructions

PC Setup

You can use your LCD-TV as a monitor for your personal computer using a VGA cable (not supplied).

Connection and use steps:



1. Read the user guide supplied with your computer and ensure that it has a VGA connector;
2. Make sure that the power of the LCD -TV and the PC are off;
3. Connect a D type 15-pin VGA interface cable (not supplied) to the VGA video interface connector on the PC. Then connect the other end to the VGA video interface connector on the back of the LCD-TV. Tighten the screws on the VGA connectors once they are firmly connected;
4. Turn on the power of the LCD-TV first , and then turn on the power of the PC;
5. Press the **INPUT** button to set the video input mode of the LCD-TV to PC;
6. Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.

Connection Instructions

VCR Setup

- To avoid picture noise (interference), leave an adequate distance between the VCR and TV

Connection and use steps:

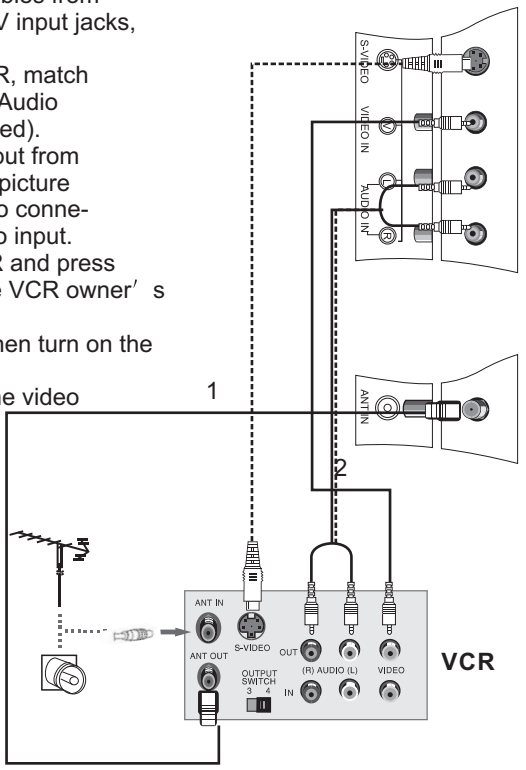
1.Read the user guide supplied with your AV devices and ensure that it has Composite or S-Video connectors;
2.Make sure that the power of the LCD-TV and the AV device are off;

Connection Option 1

Set VCR output switch to 3 or 4 and then tune TV to the same channel number.

Connection Option 2

1. Connect the audio and video cables from the VCR's output jacks to the TV input jacks, as shown in the figure.
   When connecting the TV to VCR, match the jack colors (Video = yellow, Audio Left = white,and Audio Right = red).
   If you connect an S-VIDEO output from VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.
2. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
3.Turn on the LCD-TV first ; and then turn on the power of the AV device;
4.Press the **INPUT** button to set the video input mode of the LCD-TV to S-VIDEO mode or AV mode.



Connection Instructions

Cable TV Setup

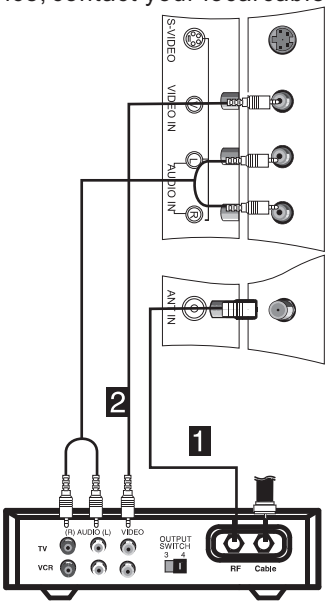
- After subscribing to a cable TV service from a local provider you can watch cable TV programming. The TV cannot display TV programming unless a TV tuner device or cable TV converter box is connected to the TV.
- For further information regarding cable TV service, contact your local cable TV service provider(s).

Connection Option 1

1. Select 3 or 4 with channel switch on cable box.
2. Tune the TV channel to the same selected output channel on cable box.
3. Select channels at the cable box or with the cable box remote control.

Connection Option 2

1. Connect the audio and video cables from the Cable Box's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to a Cable Box, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
2. Select the input source by using the **INPUT** button on the remote control.
3. Select your desired channel with the remote control for cable box.



Cable Box

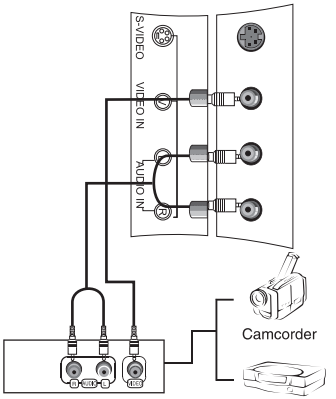
External AV Source Setup

How to connect

Connect the audio and video cables from the external equipment's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to external equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).

How to use

1. Select the input source by using the **INPUT** button on the remote control.
2. Operate the corresponding external equipment. Refer to external equipment operating guide.



Basic Operating Instructions

Turn on the LCD-TV

When the **POWER** (⏻) button is pressed and the LCD-TV is turned on, the indicator light on the front of the LCD-TV changes from red to green(or from dark to light). When the LCD-TV is turned off using the power button, the LCD-TV will go into standby mode and the indicator light turns red(or turns dark).

Each time you press the **INPUT** button, TV, AV, S-VIDEO,PC, COMPONENT will appear on the screen in order.

Audio Control

1.Press the **VOL+** button to increase the volume. A number will appear on screen indicating the volume level.
2.Press the **VOL-** button to decrease the volume. A number will appear on screen indicating the volume level.

Mute

1.Press the **MUTE** button to mute the sound temporarily. A mute icon appears on the screen.
2.Press the **MUTE** button or **VOL+** again to restore the sound.
The mute icon disappears.

Basic Operating Instructions

Select the TV Channel You Want

You can use the number buttons on the remote control to directly select TV channels.
And you can press the buttons on the remote control or on the panel to make a selection.

Picture Mode

Press **P.MODE** button on the remote control for menu display . For desired mode as follows:
CUSTOM→ STANDARD→ MILD→VIVID

Sound Mode

Press **S.MODE** button on the remote control for menu display . For desired mode as follows:
CUSTOM→ STANDARD→ MUSIC→THEATRE

Sleep

Press **SLEEP** button to set the time : SLEEP OFF-SLEEP 5 MIN-SLEEP 10 MIN-SLEEP 15 MIN-SLEEP 30 MIN-SLEEP 45 MIN-SLEEP 60 MIN-SLEEP 90 MIN-SLEEP 120 MIN
This feature allows you to turn off the television after a pre-selected number of minutes

INFO

Press **INFO** button to display the current information.
In the digits channel of TV, press INFO button to display basic information, press the second time to display DTV information.

GUIDE(only available in digital signal)

Press **GUIDE** button in digital channels to display Guide menu.(This menu is just for you to see the information and can not be changed)
Press **VOL+/VOL-** to switch the page and **CH+/CH-** to select up and down for you to look over.

Basic Operating Instructions

- button

Press to select additional channels (digital and analog) being broadcast by the same station. For example, to select digital channel "11.1", press "11", then press "-" and "1"; to select analog channel 13.0, press 13 first, then press - and 0.(You must press - and 0 when you select analog channel. If you just press the number(eg.13), you will get digital channel)

CH.LIST button(only available in digital signal)

Press to display the digital program list. Press **CH+/CH-** to select the item and OK button to select the channel you desired.

FAV.LIST button(only available in digital signal)

Press to display favorite list. Press **CH+/CH-** to select the item and **VOL+** to select the channels and **VOL-** to select NONE.

ARC button

ARC Button: Press to select between NORMAL, WIDE and ZOOM mode while in Digital TV Mode, and NORMAL, ZOOM, 16:9 and 4:3 in Analog TV mode.

NOTE: WIDE, 16:9 and 4:3 are only available in some models.
The aspect ratio can only be adjusted when 16:9 signal input in Digital TV mode.

Menu Operations

*** In this manual, the OSD (On Screen Display) may be differ from your TV These are examples to illustrate the TV's operation.**
Press INPUT to select the input source. The menu for each source may be different .

1. Press **MENU** button to display the main menu, and **VOL+/VOL-** to select the main menu .
2. Press **CH+/CH-** to scroll through the parameters
3. Press **VOL+/VOL-** buttons to make changes to the parameters
4. Press the **EXIT** button to exit the menu

Video Menu Options

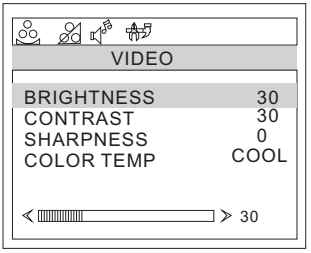
Picture quality can be adjusted for any input separately .

The picture quality on the screen can be adjusted as follows:

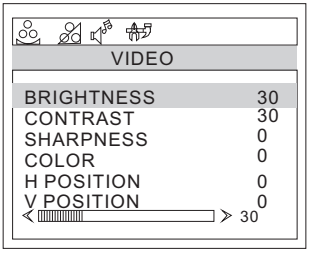
1. Press **MENU** button and **VOL+/VOL-** until the following menu appears on the screen.

2. Press **CH+/CH-** button to enter the VIDEO menu and to go up and down to select the desired option .

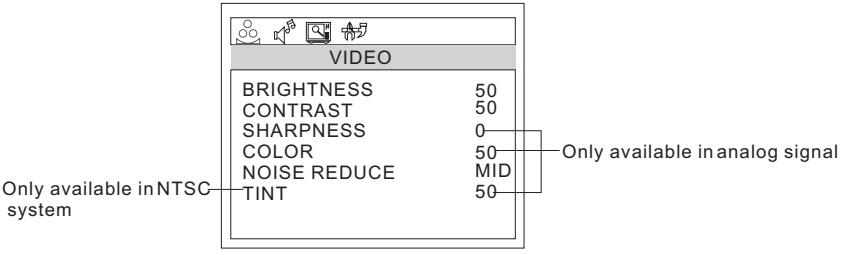
PC MENU



COMPONENT MENU



TV/AV/S-VIDEO MENU



Note: Symbols on top of the menu in this manual may differ from the actual set display

Menu Operations

Video Menu Options continued

3.Press **VOL+/VOL-** button to increase and decrease the level to adjust the selected option to your preference .

4. Repeat step 2 and step 3 until desired picture quality has been achieved .

Function:

BRIGHTNESS :Adjust the brightness of the picture . By increasing the level, it will lighten the dark parts of the picture and by decreasing the level it will darken the lighter parts of the picture.

CONTRAST : Adjust the contrast of the picture . The contrast becomes higher as the number increases.

SHARPNESS : Adjust the amount of the detail enhancement , the image sharpness rises as the number increases (By increasing the level, it will show cleaner and clearer images and by decreasing the level, it will make the picture smoother).

COLOR : Press **VOL+/VOL-** to adjust the color

NOISE REDUCE: Adjust the quality of the picture by selecting OFF,LOW,MID,HIGH.

TINT : Adjust the tone of the picture . This will appear and can be adjusted only in NTSC mode

COLOR TEMP : Press to select the color temperature from WARM/NEUTRAL/COOL

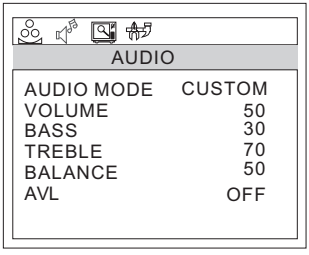
H POSITION : Picture horizontal adjust

V POSITION : Picture vertical position adjust .

Audio Menu Options

Sound can be adjusted for any input as follows:

1. Press **MENU** and **VOL+/VOL-** button until the following menu appears on the screen



Menu Operations

Audio Menu Options continued

You can adjust sound options to the levels you prefer.

2. Press **CH+/CH-** button to enter the audio menu and to go up and down to select the desired option .

3.Press **VOL+/VOL-** button to increase and decrease the level to adjust the selected option to your preference .

4. Repeat step 2 and step 3 until desired audio quality has been achieved .

Function :

AUDIO MODE : Press **VOL+/VOL-** to select among CUSTOM, STANDARD, MUSIC and THEATRE .

VOLUME : Adjust the volume of your TV

BASS : Adjust the bass of the sound . Can only be stored under CUSTOM mode .

TREBLE : Adjust the treble of the sound . Can only be stored under CUSTOM mode .

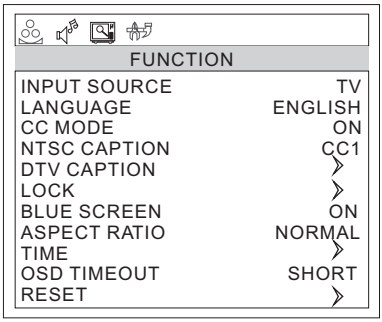
BALANCE : Adjust the balance of the audio output from left to right . When indication value of balance increases toward 100 , sound from the left speaker becomes weaker . When indication value of balance decreases toward 0 , sound from the right speaker become weaker .

AVL: Automatic Volume Limit Control reduces the effect of high volumes by limiting the same volume peaks across all channels .

Menu Operations

Function Menu Options

1. Press **MENU** button and **VOL+/VOL-** until the following menu appears on the screen.



2. Press **CH+/CH-** button to enter the function menu and to go up and down to select the desired option .

3.Press **VOL+/VOL-** button to increase and decrease the level to adjust the selected option to your preference .

4. Repeat step 2 and step 3 until desired settings have been achieved .

Functions:

1. INPUT SOURCE : Display current mode . There are TV, AV, S-VIDEO, PC, COMPONENT to display .

2. LANGUAGE : Press **VOL+/VOL-** to select the OSD language.

3. CC MODE: Press **VOL+/VOL-** to select ON or OFF.

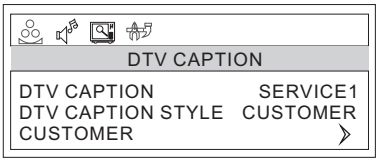
4. NTSC CAPTION(not available in PC) :Press **VOL+/VOL-**buttons to select the Closed Caption options. Closed Captioning helps the hearing impaired with the broadcast program, as well as helping children learn how to read. A built in decoder displays the audio portion of a program as text on the screen when this option is selected.
CC1: When CC1 is displayed on TV means CC MODE is turned on.
CC2 to CC4: For other modes of video related broadcast information.
TT1: For program guide and other information displayed by broadcasters.
(This blocks a large portion of the picture on your screen).
TT2 to TT4 :For other modes of information displayed by broadcasters.
(This blocks a large portion of the picture on your screen).
IMPORTANT: Closed captioning availability entirely depends on broadcasters supplying the signal. Therefore, closed captioning might not always be available and language availability will differ by broadcast.

Menu Operations

Function Menu Options Continued

Note: Select CC1 for full translation of the primary language such as English in your area. Select CC2 for secondary language translation such as French or any other language that may be broadcast in your area.

5.DTV CAPTION (can only be available in DTV):Press CH+/- to select DTV CAPTION and VOL+ to enter .



DTV CAPTION: This allows you to configure the way you choose to view the digital captioning.
Select one of the digital service channels made available by the caption provider.
There are 6 standard services. Service 1 is designated as the Primary Caption Service. This service contains the verbatim, or near-verbatim captions for the primary language being spoken in the accompanying program audio.
Service 2 is designated as the Secondary Language Service. This service contains captions in a secondary language which are translations of the captions in the primary Caption Service. The other service subchannels are not pre-assigned. It is up to the discretion of the individual caption provider to utilize the remaining service channels.

DTV CAPTION STYLE: To select between DEFAULT and CUSTOMER.

CUSTOMER: (only can be entered when DTV CAPTION STYLE is Customer) Press VOL+ to enter the following display: This allows you to modify how digital captions are displayed on your TV. Select from the following options to change the visual characteristics of your TV`s digital captioning.

DTV Caption Style	
Size	Normal
Font	Font0
Text Opacity	Solid
Text Color	White
Edge Color	Black
Edge Type	None
BG Color	Black
BG Opacity	Solid

Size: Select this option to select the size of caption display according to your own preference.
Press the **VOL+/VOL-** button to select them

Font: To select the font of caption display according to your own preference.
Press the **VOL+/VOL-** button to select **Font0, Font1, Font2, Font3, Font4, Font5, Font6, Font7.**

Menu Operations

Function Menu Options Continued

Text Opacity: Specify the opacity for the text color.

Text Color: Select the text color or the opacity of the text box of caption display according to your own preference.
Select a color and one of the opacity options.

Edge Color: Press **VOL+/VOL-** to select the edge color according your own preference

Edge Type: Press **VOL+/VOL-** to select the edge color according your own preference

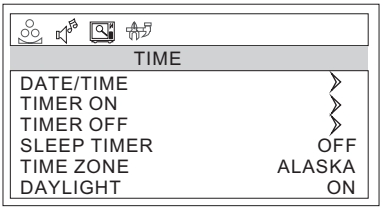
BG Color: Select a background color.

BG Opacity: Select the opacity for the background color.

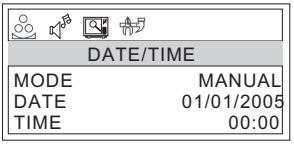
6.BLUE SCREEN: Press **VOL+/VOL-** to select ON or OFF. To set ON, the screen will turn blue if there is no signal.

7.ASPECT RATIO(not available in PC): To select NORMAL, WIDE and ZOOM in Digital TV mode and NORMAL, ZOOM, 16:9 and 4:3 in Analog TV mode.
(WIDE, 16:9 and 4:3 are only available in some models)

8.TIME Press CH+/CH- to select this item and VOL+ to enter and display as the following:



DATE/TIME: Setting the clock is necessary in order to use the various timer features of the TV. Also, you can check the time while watching the TV.
Press VOL+ to enter the following menu to set:

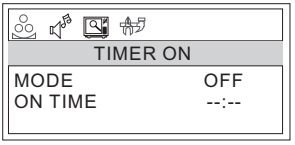


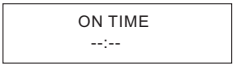
Setting MODE to AUTO or MANUAL. DATE and TIME can only be available in MANUAL mode. Press VOL+/VOL- to select the position you want to change and CH+/CH- to set.

TIMER ON: Press VOL+ to enter the submenu to set. When this function is used, the TV can automatically turn the power on at the present time in the standby status and display the preset program.

Menu Operations

Function Menu Options Continued





Press CH+/CH- to select MODE and VOL+/VOL- to set it OFF/DAILY/ONCE. Press CH+/CH- to select ON TIME and VOL+ to enter. Press VOL+/VOL- to select the position you want to change and CH+/CH- to set.

TIMER OFF: Press VOL+ to enter the submenu to set.. Using this function can turn the TV set automatically into standby status at the preconcerted time. Same as adjustment of TIMER ON .

SLEEP TIMER: The sleep timer automatically shuts off the TV after a preset time (from 0 to 120 minutes)

TIME ZONE: This functionallows you to select your local time zone. Broadcasted time information will correct the clock display for your local time.

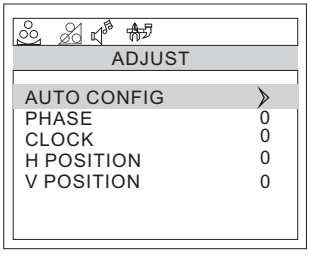
DAYLIGHT: DAYLIGHT is automatically set by specially broadcasted signals. This menu item allows you to disable the automatic setting of daylight. This is useful if you live in an area or state where daylight is no applied, but you receive channels from other areas where daylight signals are broadcasted.

9. OSD TIMEOUT: Press to set the time of the OSD displaying on screen.

10. RESET : Press **VOL+** to reset some settings to the factory default .

Adjust Menu Options

1. Press **MENU** and **VOL+/VOL-** button until the following menu appears on the screen



Note: This menu appears only in PC mode .

2. Press **CH+/CH-** button to enter the adjust menu and to go up and down to select the desired option .

3.Press **VOL+/VOL-** button to increase and decrease the level to adjust the selected option to your preference .

4. Repeat step 2 and step 3 until desired quality has been achieved ..

Menu Operations

Adjust Menu Options Continued

Functions:

AUTO CONFIG : Automatically adjusts picture location frequency and phase parameters .

PHASE : Removes any horizontal distortion and clears or sharpens the displayed characters .

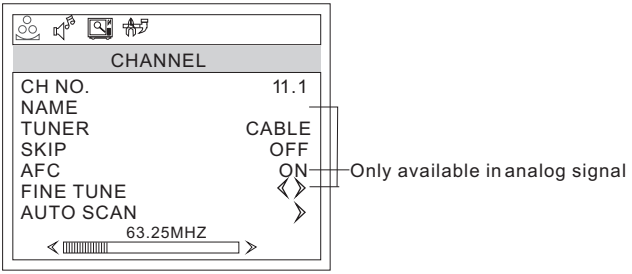
CLOCK : Adjust the TFT-LCD to match the PC input source clock frequency

H POSITION : Picture horizontal position adjust

V POSITION : Picture vertical position adjust .

Channel Menu Options

1. Press **MENU** and **VOL+/VOL-** button until the following menu appears on the screen



Note: This menu appears only in TV mode .

2. Press **CH+/CH-** button to enter the channel menu and to go up and down to select the desired option .

3.Press **VOL+/VOL-** button to increase and decrease the level to adjust the selected option to your preference .

4.Repeat step 2 and step 3 until desired settings have been achieved .

Functions:

1. CH NO. : Press **VOL+/VOL-** to go up and down to set the channel number. The display will show the current playing channel.

2. NAME: Allows you change the name of the channels in analog signal. And display the channel name automatically in digital signal.

Menu Operations

Channel Menu Options Continued

3.SKIP : If you want skip a channel , press **VOL+/VOL-** to select ON , and this channel will be skipped next time when you press **CH+/CH-** . You can press the digit buttons to select the channel . If you want to restore the channel , select OFF.

4. AFC : Auto frequency control. Select ON to improve image quality .

5. FINE TUNE : If the image or sound received is not very good , you can press **CH+/CH-** to select FINE TUNE in the menu . Then , press **VOL+/VOL-** button to adjust and improve the image quality. Do not use this feature unless reception is poor.

6. TUNER : Press **VOL+/VOL-** button to select AIR (VHF and UHF) and CABLE reception preference.

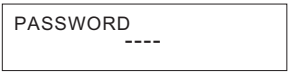
7. AUTO SCAN : Auto search and program channels .Press the **VOL+** button to start to search and the following menu will appears on the screen:

Press **CH+/CH-** or **VOL+/VOL-** to select YES and MENU to confirm then the automatic search function operation. All channels now available will be automatically preset in order .After the search has finished, the first digital program number will display on the screen. This search automatically adds only the active channels in your area to the TV's memory. It deletes any channels on which there is no broadcast or a poor signal.

Note: The AUTO SCAN function will scan the channels on the selected antenna input. If the TV is connected to cable, please select CABLE under ' TUNER ' sub menu. The TV searches channels in analog first and then searches channels in digital signal the second time.

Lock Menu Options

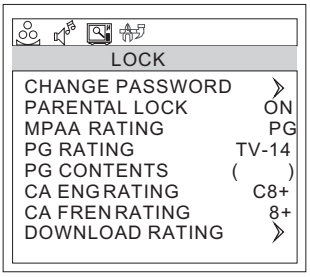
1. Press the **MENU** and **VOL+/VOL-** button until the FUNCTION menu appears on the screen .
2. Press **CH+/CH-** button to select LOCK and **VOL+** to enter, the following will display on the screen:



3. Then input the password 0000. It will bring LOCK menu display on the screen. You will see the following menu on your screen:

Menu Operations

Lock Menu Options Continued



This function enables you to block certain TV channels in accordance to the requirements established by the FCC.

PARENTAL LOCK: Press VOL+/VOL- button to select ON or OFF. parental Lock off means the lock function is turned off . If the Parental Lock is in "off" mode then function will not be active to accept the Parental Guidance signal. Parental Lock on means the lock function is turned on. If the lock is in the "on" mode then it actively accepts the Parental Guidance signal.

MPAA RATING: When MPAA rating is selected, you can select OFF/G/PG/PG 13 R/NC17/X .

PG RATING:Select the TV Rating option. You can select from OFF/TV-Y/TV-Y7/ TV-G/TV-PG/TV-14/TV-MA.

PG CONTENTS: Press to set the grade of the program . When there is this grade of program , this program will not be display .

CA ENG RATING: Select this option. You could select from OFF/C/C8+/G/PG/ 14+/18+ .

CA FREN RATING: Select this option. You could select from OFF/G/8+/13+/16+/ 18+ .

CHANGE PASSWORD: The "Default Password" preset by the manufacturer is "0000" . If you want to change the preset password to your own password, just choose any four digits that can be easily remembered and set. Once you set password for a particular channel, that channel will be blocked.

Menu Operations

Lock Menu Options Continued

PARENTAL LOCK TECHNOLOGY:
The "P.L. Technology" allows you to use U.S. and Canadian Movies and TV PROGRAMS Guide ratings to block certain types of TV programs and movies.

To clearly understand TV program rating codes, read the following information:

U.S. TV Program Ratings
NR: Not Rated-this means that programs are not rated or rating does not apply.
TV-Y: For all children - these types of rated programs are designed for a very young audience, including children from ages 2-6.

TV-Y7: Directed towards older children - this type of rated programs may include comedic violence of mild physical, or may frighten children under the age of 7.
TV-G: General audience - these types of rated programs contains little or no violence, no strong language, and little or no sexual dialogue and situations.
TV-PG:Parental Guidance Suggested-this type of rated programs may contain limited violence, some suggestive sexual dialogue and situations, and rare language.
TV-14: Parents strongly cautioned-these types of rated programs may contain sexual content, strong language and more intense violence.
TV-MA:Mature audience only these types of rated programs may contain sexual violence, explicit sexual content and profane language.
FANTASY VIOLENCE : This type of rated programs contain Fantasy and cartoon violence.
DIALOGUE: This type of rated programs contain dialogue with sexual content.
LANGUAGE: This type of rated programs contain offensive language.
SEX: This type of rated programs contain sex.
VIOLENCE: This type of rated programs contain violence.

To understand clearly about movie rating codes, read the following list:
U.S. Movie Rating Chart
NR: This means movie is not rated yet. It is pending government rating approval.
G: General Audience-this type of movie rating means all ages admitted to see the movie.
PG: Parental guidance suggested. Some material may not be suitable for children.
PG 13:Parents Strongly Cautioned - this type of movie rating means some material may not be appropriate for children under13.
R: Restricted- This type of movie rating means children under 17 of age require to be with parent or guardian.
NC 17:This type of movie rating means no one 17 and under admitted.
X: This type of movie rating means adults only.

Menu Operations

Lock Menu Options Continued

To clearly understand Canadian program rating codes, read the following list:

Canadian English Rating Chart

C: This type of programming is intended for children under age 8. There is no offensive language, nudity or sexual content.
C8+: These types of rated programs are generally considered acceptable for children 8 years and over. There is no profanity, nudity or sexual content.
G: These types of rated programs are generally suitable for all audiences.
PG: Parental Guidance Suggested -in these types of rated programs, some material may not be suitable for children.
14+: In these types of rated programs, some content may not be suitable for viewers under the age of 14.Parents are strongly cautioned not to have their children view 14+ rated programs by pre-teens and early teens.
18+: Adults Only-these types of rated programs are only for adult viewers only.

Canadian French Rating Chart

OFF: NO controls
G:These types of rated programs are generally suitable for all audiences.
8+: Children 8 years and above (French)
13+: 13 years old and above(French)
16+: 16 years old and above(French)
18+: Adults Only-these types of rated programs are only for adult viewers only.

Troubleshooting Guide

- To assist in location possible faults use help guide below.

Troubleshooting

No picture, no sound	Verify if the television is properly plugged in. Verify if the television is properly supplied with power. Verify that electricity is available.
Blank screen	Verify if correct signals are input. Press INPUT button to change signal input to TV input. Restart the television of power supply is interrupted.
No sound	Press MUTE button and verify if Mute mode is on. Switch to another channel and verify if the same problem happens. Press VOL+ button to see if the problem can be solved.
Poor sound	Verify if sound system is functional. Refer to chapter on adjusting.
No picture in some channel	Verify if correct channel is selected. Adjust the antenna. Make adjustments by FINE TUNE
No color for some channel program (black and white)	Verify if the same problem exists in other channels. Check picture and sound systems. Refer to relative instructions in the Manual for color adjust.
Spots with some or all pictures	Verify if the antenna is correctly connected. Verify if the antenna is in good condition. Make fine adjustment of channel.
Abnormal functioning	Disconnect the television from power supply and, 10 seconds later, reconnect to the power supply. If the problem still exists, contact an authorized service depot for technical assistance.

Note:

1.If the fault can not be repaired using the above guide consult with your local authorized service center.

2.The TV set must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV set has dangerous voltages levels inside that may be fatal or cause fire.

Specifications

Specifications of the television that you have just purchased may vary from the information in this table due to technical innovations.

Model	HL15B/HL15E	HL19E/HL19W	HL22E
Picture, sound system	NTSC, ATSC, Cliar QAM		
Audio output	⩾1.5W+1.5W		
External input port	AV input PC input S-VIDEO input PC audio input Headphone output YPbPr input Antenna input		
Power requirements	~120V 60Hz		
Power consumption	⩽50W	⩽60W	⩽60W
Temperature	Working:+5℃~+35℃ Storage:-15℃~+45℃		
Humidity	Working:20% ~ 80% Storage: 5% ~ 90%		
Accessories	Remote control Batteries User manual		

NOTE

Design and specifications are subject to change without notice.
Dimensions quoted in this manual are approximate.

Warranty

This Haier brand product, when shipped in its original packaging, will be free from defective workmanship and materials, and Haier agrees that it will, at its option, either repair the defect or replace the defective product with a new or re-manufactured equivalent at no charge to the purchaser, for parts or labor for the periods set forth below.

This warranty does not apply to the appearance of the product or the exterior of the product, which has been damaged or defaced, altered or modified in design or construction. It does not apply to the additional excluded items set forth below.

The warranty commences on the date the item was purchased and the original purchase receipt must be presented to the authorized service center before warranty repairs are rendered.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(s) FROM THE DATE OF PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Haier.

The warranties described herein shall be the sole and exclusive warranties granted by Haier and shall be the sole and exclusive remedy available to the purchaser. Correction of defects in the manner and for the period of time described herein shall constitute complete fulfillment of obligations and responsibilities of Haier to the purchaser with respect to the product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Haier be liable, or in any way responsible, for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than an authorized service center or dealer, nor shall Haier be liable, or in any way responsible, for incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Warranty period for this product: 90 days labor and one year parts .

Additional items excluded from warranty coverage: non-rechargeable batteries.
What to do to obtain service or to obtain product literature, accessories, supplies or customer assistance: Simply call 1-877-337-3639.
Be sure to have proof of purchase.

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